

Express Mail No. EL692238841US
PATENT
Attorney Docket No. BSC-164

1c974 U.S. PTO
09/813780
03/21/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Li et al.
SERIAL NO.: Not Yet Assigned GROUP NO.: Not Yet Assigned
FILING DATE: Herewith EXAMINER: Not Yet Assigned
TITLE: CONTROLLING RESORPTION OF BIORESORBABLE MEDICAL
IMPLANT MATERIAL

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [**check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required**]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,



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FORM PTO - 1449

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ATTORNEY DOCKET NO.: BSC-164 (1002/220)

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U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	2,485,512	10/18/49	Rose			
	A2	2,541,804	2/13/51	Wormell			
	A3	2,689,809	9/21/54	Fessler			
	A4	2,712,672	7/12/55	Calcagno			

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
	B1	0065884 A1	12/1/82	EU				N	Y
	B2	0341745 A1	11/15/89	EU				N	Y
	B3	0507604 A2	10/7/92	EU				N	Y
	B4	0579004 A1	1/19/94	EU				N	Y
	B5	0454373 A2	10/30/91	EU				N	Y
	B6	04146218	5/20/92	JP				Y	Y
	B7	06233855	8/23/94	JP				Y	Y
	B8	92/18098	10/29/92	WO				N	Y
	B9	0645150 A1	3/29/95	EU				N	Y
	B10	0213908 A2	3/11/87	EU				Y	Y
	B11	0380254 A2	8/1/90	EU				Y	Y
	B12	0271216 A2	6/15/88	EU				N	Y

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	C1	Andrade, Joseph D., "Hydrogels for Medical and Related Applications", Aug. 27-28, 1975, pg. 1-36 (Editor, presented article at that time); AM. Chem. Soc. 1976
	C2	Kocvara <i>et al.</i> , "Gel-Fabric Prostheses of the Ureter", <u>Journal of Biomedical Research</u> , Vol. 1, pp. 325-336 (1967)
	C3	Ross, "Living Cure" (Science and the Citizen"), <u>Scientific American</u> , June 1993, pp. 18-23

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EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A5	2,791,518	5/7/57	Stokes, Jr. <i>et al.</i>			
	A6	2,847,713	8/19/58	Weingand			
	A7	2,897,547	8/4/59	Weingand			
	A8	3,271,496	9/6/66	Michaels			
	A9	3,975,350	8/17/76	Hudgin <i>et al.</i>			
	A10	4,137,921	2/6/79	Okuzumi <i>et al.</i>			
	A11	4,265,927	5/5/81	Ericksson <i>et al.</i>			
	A12	4,286,341	9/1/81	Greer <i>et al.</i>			
	A13	4,339,295	7/13/82	Boretos <i>et al.</i>			
	A14	4,366,183	12/28/82	Grommidh <i>et al.</i>			
	A15	4,439,322	3/27/84	Sonoda <i>et al.</i>			
	A16	4,527,293	7/9/85	Eckstein <i>et al.</i>			
	A17	4,548,844	10/22/85	Podell <i>et al.</i>			

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EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
	B13	0271216 A2	6/15/88	EU				N	Y
	B14	0380254 A2	8/1/90	EU				N	Y
	B15	0213908 A2	3/11/87	EU				N	Y
	B16	2827289	1/11/79	DE				N	Y
	B17	2151244 A	7/17/85	EU				N	Y
	B18	89/05671	6/29/89	WO				N	Y
	B19	90/10020	9/7/90	WO				N	Y
	B20	91/07200	5/30/91	WO				N	Y
	B21	92/13579	8/20/92	WO				N	Y
	B22	93/09176	5/13/93	WO				N	Y
	B23	0645150 A1	3/29/95	EU				N	Y

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	A18	4,582,865	4/15/86	Balazs <i>et al.</i>			
	A19	4,592,920	6/3/86	Murtfeldt			
	A20	4,605,691	8/12/86	Balazs <i>et al.</i>			
	A21	4,613,517	9/23/86	Williams <i>et al.</i>			
	A22	4,636,524	1/13/87	Balazs <i>et al.</i>			
	A23	4,650,488	3/17/87	Bays <i>et al.</i>			
	A24	4,716,154	12/29/87	Malson <i>et al.</i>			
	A25	4,716,224	12/29/87	Sakurai <i>et al.</i>			
	A26	4,801,475	1/31/89	Halpern <i>et al.</i>			
	A27	4,814,120	3/21/89	Huc <i>et al.</i>			
	A28	4,838,876	6/13/89	Wong <i>et al.</i>			
	A29	4,851,521	7/25/89	dellaValle <i>et al.</i>			
	A30	4,863,907	9/5/89	Sakurai <i>et al.</i>			
	A31	4,878,907	11/7/89	Okada <i>et al.</i>			
	A32	4,888,016	12/19/89	Langerman			
	A33	4,902,295	2/20/90	Walthall <i>et al.</i>			
	A34	4,906,237	3/6/90	Johansson <i>et al.</i>			
	A35	4,923,645	5/8/90	Tsang <i>et al.</i>			
	A36	4,941,870	7/17/90	Okasa <i>et al.</i>			
	A37	4,948,575	8/14/90	Cole <i>et al.</i>			
	A38	4,957,744	9/18/90	dellaValle <i>et al.</i>			
	A39	4,965,353	10/23/90	dellaValle <i>et al.</i>			
	A40	4,981,487	1/1/91	da Costa			
	A41	4,997,443	3/5/91	Walthall <i>et al.</i>			
	A42	5,049,138	9/17/91	Chevalier <i>et al.</i>			
	A43	5,057,606	10/15/91	Garbe			
	A44	5,061,738	10/29/91	Solomon <i>et al.</i>			
	A45	5,077,352	12/31/91	Elton			
	A46	5,085,629	2/4/92	Goldbert <i>et al.</i>			

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	A47	5,089,606	2/18/92	Cole <i>et al.</i>			
	A48	5,128,326	7/7/92	Balazs <i>et al.</i>			
	A49	5,149,543	9/22/92	Cohen <i>et al.</i>			
	A50	5,202,431	4/13/93	dellaValle <i>et al.</i>			
	A51	5,234,456	8/10/93	Silvestrini			
	A52	5,278,201	1/11/94	Dunn <i>et al.</i>			
	A53	5,298,569	3/29/94	Yamamori <i>et al.</i>			
	A54	5,302,393	4/12/94	Matsumoto <i>et al.</i>			
	A55	5,306,764	4/26/94	Chen			
	A56	5,308,701	5/3/94	Cohen <i>et al.</i>			
	A57	5,322,935	6/21/94	Smith			
	A58	5,334,640	8/2/94	Desai <i>et al.</i>			
	A59	5,401,257	3/28/95	Chevalier, Jr. <i>et al.</i>			
	A60	5,413,782	5/9/95	Warchol <i>et al.</i>			
	A61	5,514,377	5/7/96	Cochrum <i>et al.</i>			
	A62	5,531,716	7/2/96	Luzio <i>et al.</i>			
	A63	5,531,735	7/2/96	Thompson			
	A64	5,532,305	7/2/96	Matsuzaki <i>et al.</i>			
	A65	5,541,304	7/30/96	Thompson			
	A66	5,554,388	9/10/96	Illum			
	A67	5,607,683	3/4/97	Capelli			
	A68	5,674,521	10/7/97	Gehrke <i>et al.</i>			
	A69	5,684,051	11/4/97	Thompson			
	A70	5,702,682	12/30/97	Thompson			
	A71	5,792,400	8/11/98	Talja <i>et al.</i>			
	A72	5,820,918	10/13/98	Ronan <i>et al.</i>			

EXAMINER

DATE CONSIDERED